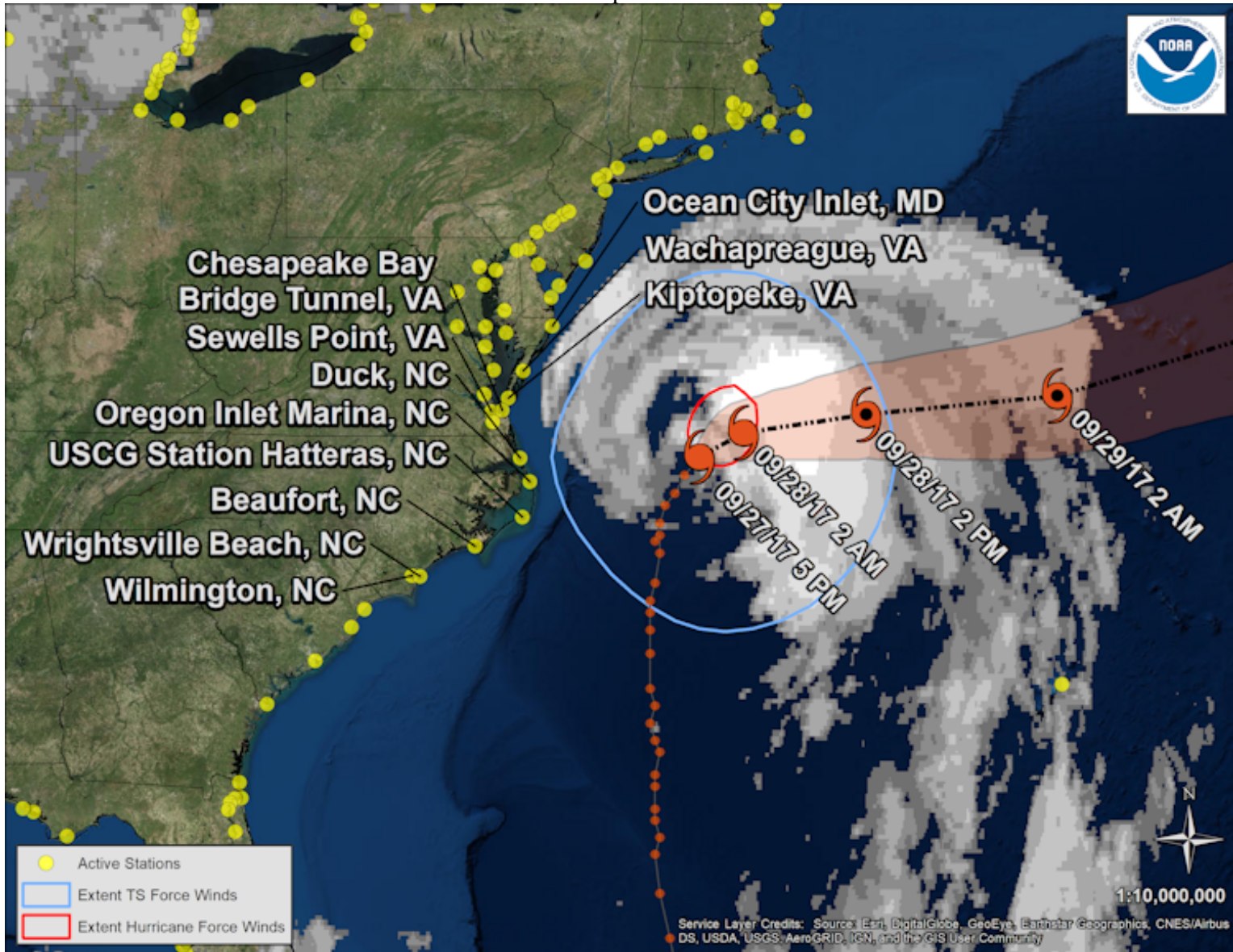




Hurricane MARIA QuickLook Posted: 18:00 EDT 09/27/2017

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/27/2017 18:00 EDT, water levels along the Atlantic coast from Wilmington, NC to Ocean City, MD, including the entrance to the Chesapeake Bay, are elevated and range between 1 and 2 feet above normal tide levels. Within Pamlico Sound, water levels at USCG Hatteras, NC are presently measuring about 2.5 feet above tide predictions.

Wind speeds along the Mid-Atlantic coast range from 10 to 30 knots with gusts up to 35 knots. Barometric pressure has stabilized or begun to rebound across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please see Coastal Inundation Dashboard.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: RCL

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE MARIA ADVISORY NUMBER 47
NWS NATIONAL HURRICANE CENTER MIAMI FL
500 PM EDT WED SEP 27 2017

...MARIA SLOWLY MOVING AWAY FROM THE COAST OF NORTH CAROLINA...

SUMMARY OF 500 PM EDT...2100 UTC...INFORMATION

LOCATION...36.2N 72.1W
ABOUT 205 MI...325 KM ENE OF CAPE HATTERAS NORTH CAROLINA
MAXIMUM SUSTAINED WINDS...75 MPH...120 KM/H
PRESENT MOVEMENT...NNE OR 30 DEGREES AT 7 MPH...11 KM/H
MINIMUM CENTRAL PRESSURE...979 MB...28.91 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED SOUTH OF CAPE HATTERAS.

ALL STORM SURGE WATCHES AND WARNINGS HAVE BEEN DISCONTINUED.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A TROPICAL STORM WARNING IS IN EFFECT FOR...
* CAPE HATTERAS TO THE NORTH CAROLINA/VIRGINIA BORDER
* ALBEMARLE AND PAMLICO SOUNDS

THESE WARNINGS WILL LIKELY BE DISCONTINUED THIS EVENING.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA, INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS, PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM EDT (2100 UTC), THE CENTER OF HURRICANE MARIA WAS LOCATED NEAR LATITUDE 36.2 NORTH, LONGITUDE 72.1 WEST. MARIA IS MOVING TOWARD THE NORTH-NORTHEAST NEAR 7 MPH (11 KM/H), AND THIS MOTION IS EXPECTED TO CONTINUE TONIGHT. MARIA IS FORECAST TO ACCELERATE EAST-NORTHEASTWARD ON THURSDAY THROUGH FRIDAY. ON THE FORECAST TRACK, MARIA WILL MOVE AWAY FROM THE COAST OF NORTH CAROLINA THROUGH THURSDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH (120 KM/H) WITH HIGHER GUSTS. SOME GRADUAL WEAKENING IS FORECAST DURING THE NEXT 48 HOURS.

HURRICANE-FORCE WINDS EXTEND OUTWARD UP TO 105 MILES (165 KM) PRIMARILY TO THE NORTHEAST OF THE CENTER, AND TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 230 MILES (370 KM).

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 979 MB (28.91 INCHES).

HAZARDS AFFECTING LAND

WIND: TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE WARNING AREA THROUGH THE NEXT FEW HOURS. THESE WINDS SHOULD DIMINISH LATER THIS EVENING.

STORM SURGE: WATER LEVELS ALONG THE NORTH CAROLINA OUTER BANKS WILL GRADUALLY SUBSIDE TONIGHT.

SURF: SWELLS GENERATED BY MARIA ARE AFFECTING MUCH OF THE EAST COAST OF THE UNITED STATES, ATLANTIC CANADA, BERMUDA, THE BAHAMAS, AND THE TURKS AND CAICOS ISLANDS. THESE SWELLS ARE LIKELY TO CAUSE LIFE-THREATENING SURF AND RIP CURRENT CONDITIONS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

NEXT ADVISORY

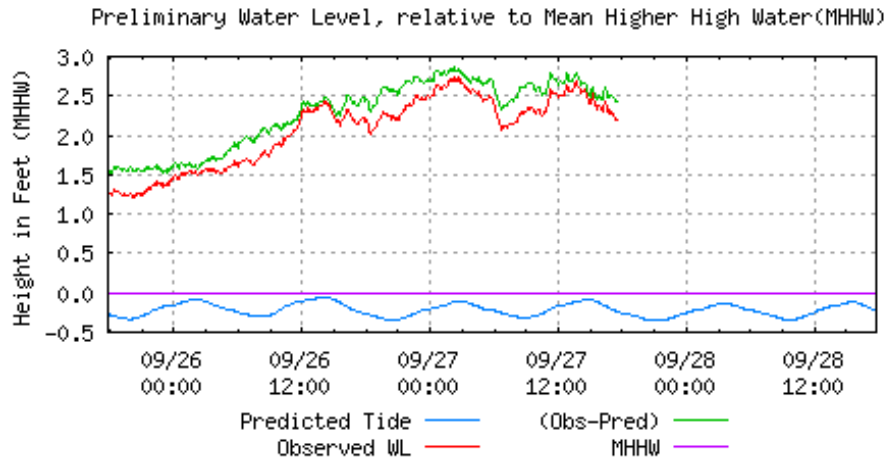
NEXT INTERMEDIATE ADVISORY AT 800 PM EDT.
NEXT COMPLETE ADVISORY AT 1100 PM EDT.

FORECASTER BROWN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [Oregon Inlet Marina - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Sewells Point - Water Level](#), [Sewells Point - Barometric](#), [Kiptopeke - Water Level](#), [Kiptopeke - Winds](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Wachapreague - Barometric](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [Wilmington - Water Level](#), [Wilmington - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#)

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



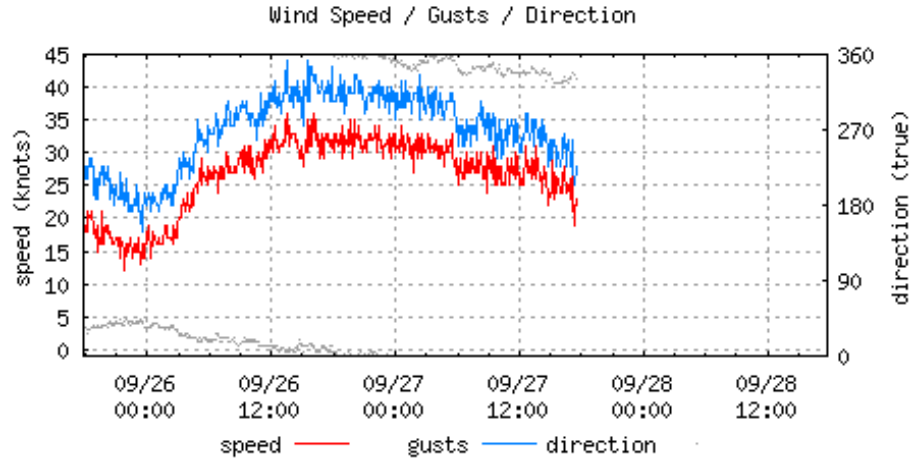
Last Observed Sample: 09/27/2017 17:42 (EDT). Data relative to MHHW

Observed: 2.23 ft. Predicted: -0.24 ft. Residual: 2.47 ft.

Historical Maximum Water Level: Oct 9 2016, 5.71 ft.

Next High Tide: 09/28/2017 03:32 (EDT), -0.13 ft.

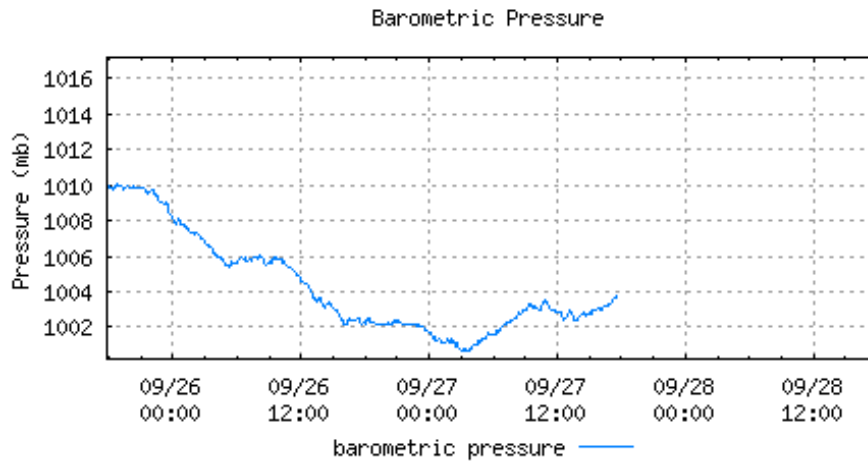
NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Wind Speed: 24 knots Gusts: 29 knots Direction: 329° T

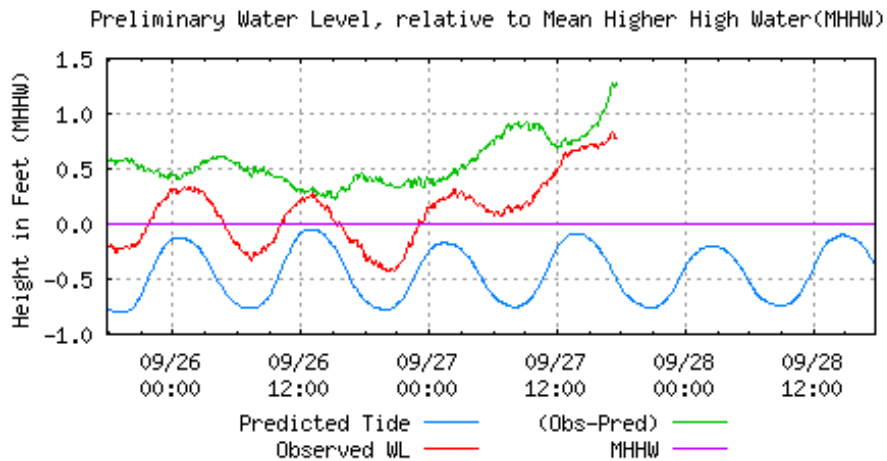
NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Barometric Pressure: 1003.8 mb

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC



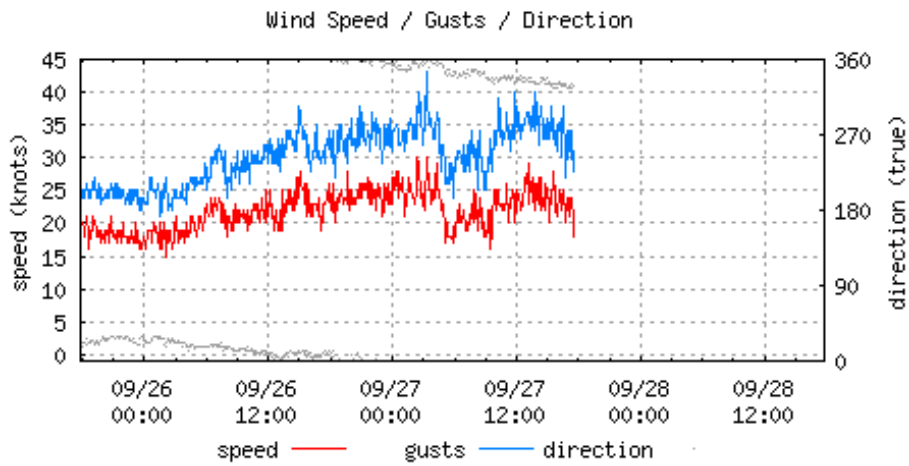
Last Observed Sample: 09/27/2017 17:42 (EDT). Data relative to MHHW

Observed: 0.78 ft. Predicted: -0.53 ft. Residual: 1.31 ft.

Historical Maximum Water Level: Aug 28 2011, 6.32 ft.

Next High Tide: 09/28/2017 02:28 (EDT), -0.21 ft.

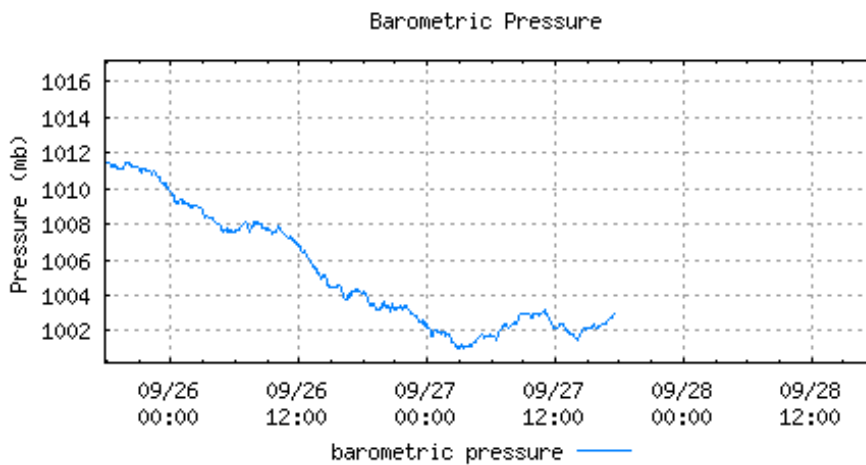
NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Wind Speed: 19 knots Gusts: 25 knots Direction: 330° T

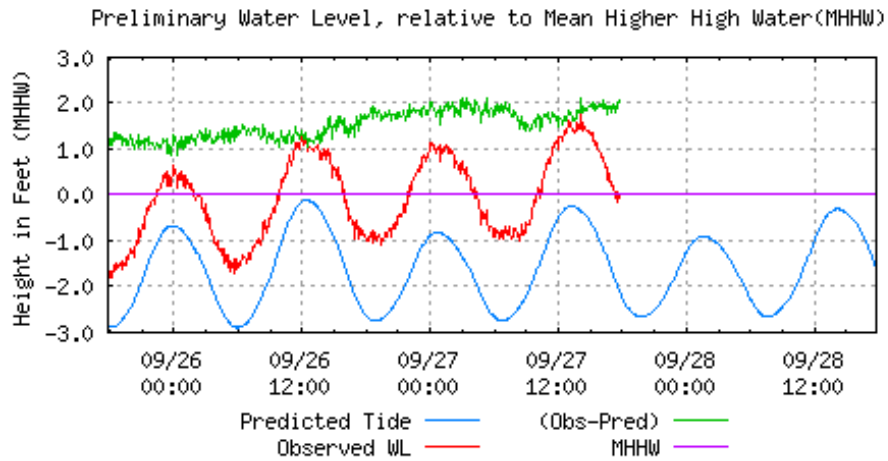
NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Barometric Pressure: 1003.0 mb

NOAA/NOS/CO-OPS 8651370 Duck, NC



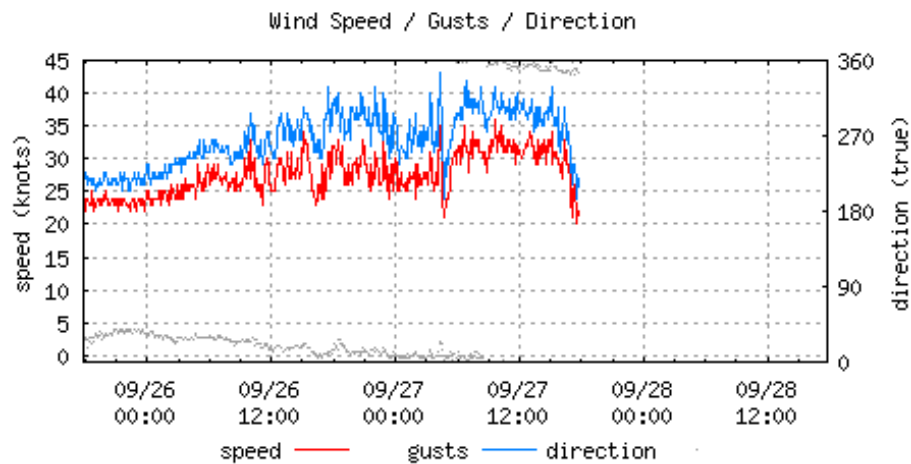
Last Observed Sample: 09/27/2017 17:48 (EDT). Data relative to MHHW

Observed: -0.28 ft. Predicted: -2.13 ft. Residual: 1.85 ft.

Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 09/28/2017 01:36 (EDT), -0.90 ft.

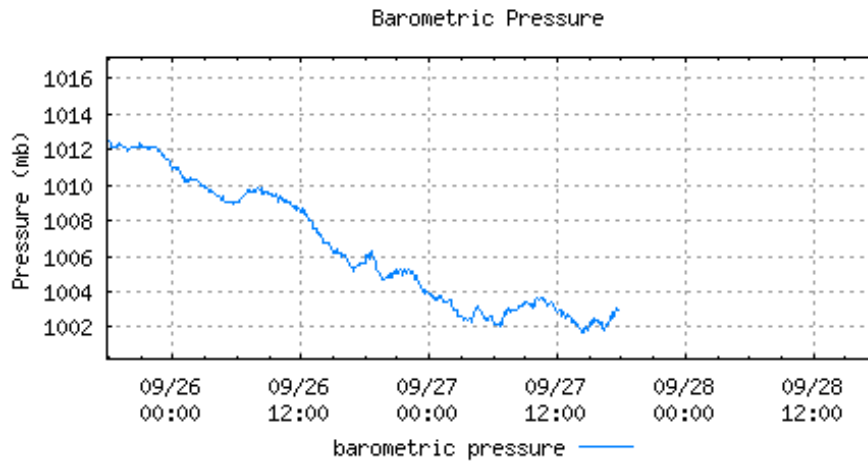
NOAA/NOS/CO-OPS 8651370 Duck, NC



Last Observed Sample: 09/27/2017 17:48 (EDT)

Wind Speed: 26 knots Gusts: 31 knots Direction: 343° T

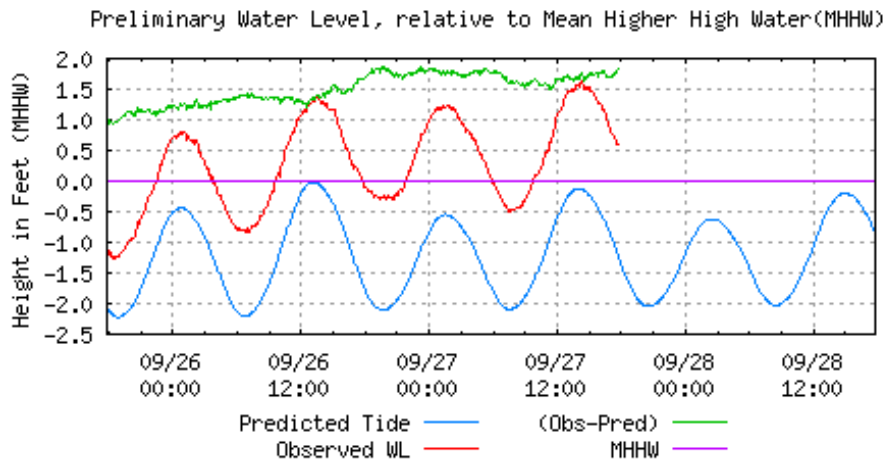
NOAA/NOS/CO-OPS 8651370 Duck, NC



Last Observed Sample: 09/27/2017 17:48 (EDT)

Barometric Pressure: 1002.9 mb

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



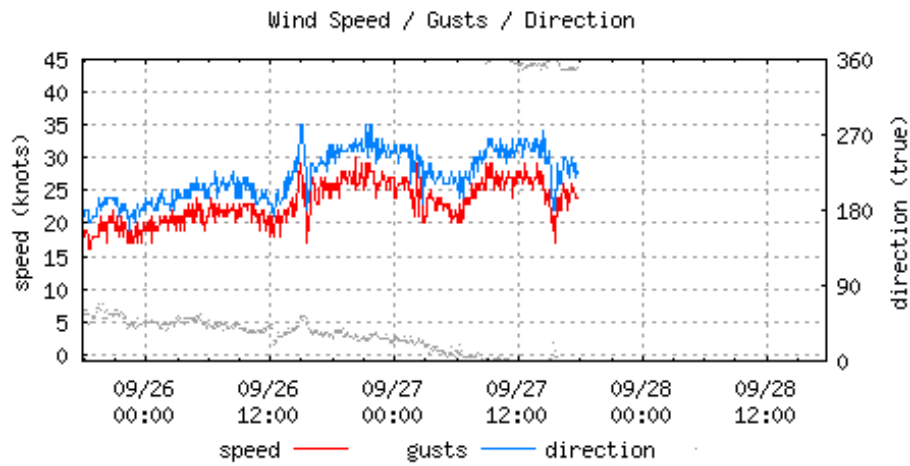
Last Observed Sample: 09/27/2017 17:42 (EDT). Data relative to MHHW

Observed: 0.60 ft. Predicted: -1.22 ft. Residual: 1.82 ft.

Historical Maximum Water Level: Nov 12 2009, 4.66 ft.

Next High Tide: 09/28/2017 02:26 (EDT), -0.62 ft.

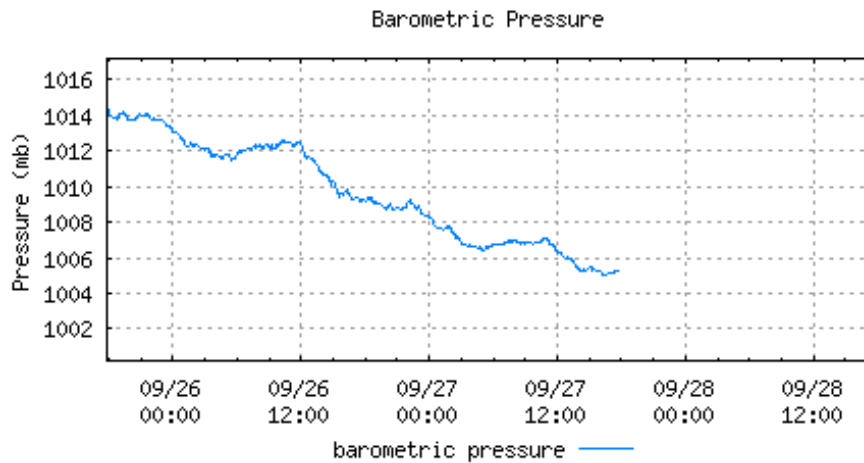
NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



Last Observed Sample: 09/27/2017 17:42 (EDT)

Wind Speed: 24 knots Gusts: 28 knots Direction: 350° T

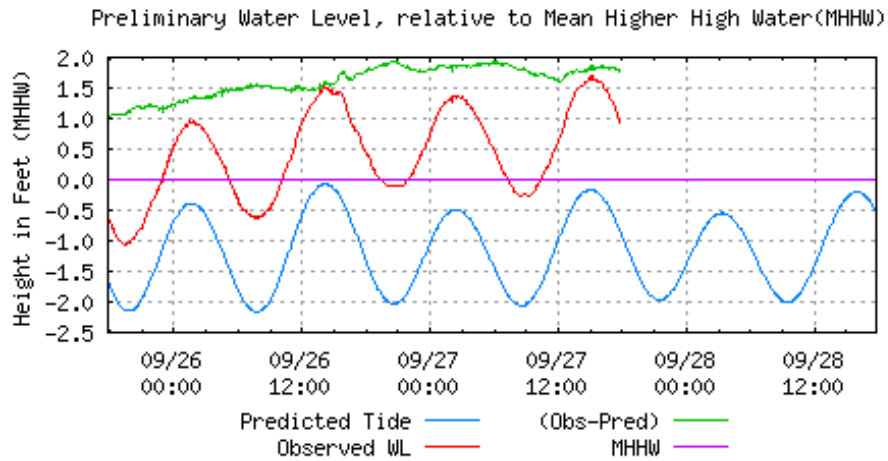
NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA



Last Observed Sample: 09/27/2017 17:42 (EDT)

Barometric Pressure: 1005.3 mb

NOAA/NOS/CO-OPS 8638610 Sewells Point, VA



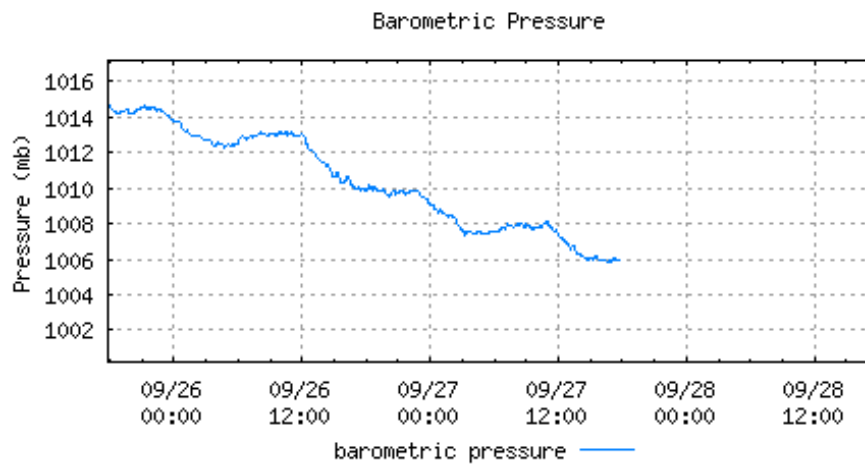
Last Observed Sample: 09/27/2017 17:48 (EDT). Data relative to MHHW

Observed: 0.94 ft. Predicted: -0.85 ft. Residual: 1.79 ft.

Historical Maximum Water Level: Aug 23 1933, 5.26 ft.

Next High Tide: 09/28/2017 03:20 (EDT), -0.55 ft.

NOAA/NOS/CO-OPS 8638610 Sewells Point, VA

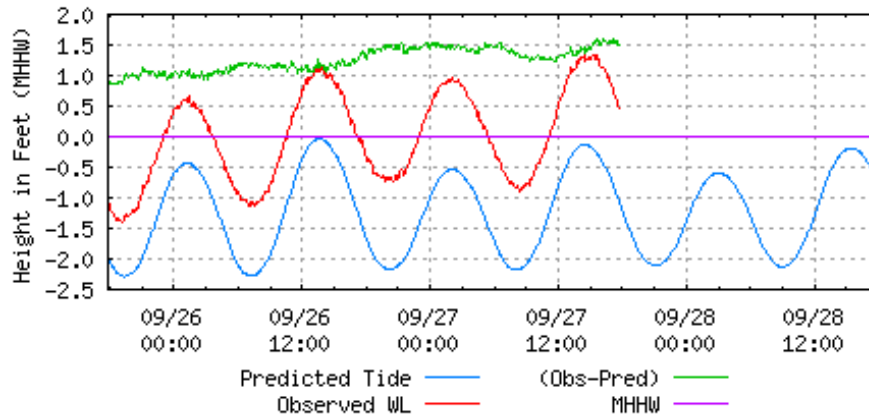


Last Observed Sample: 09/27/2017 17:48 (EDT)

Barometric Pressure: 1005.9 mb

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 09/27/2017 17:42 (EDT). Data relative to MHHW

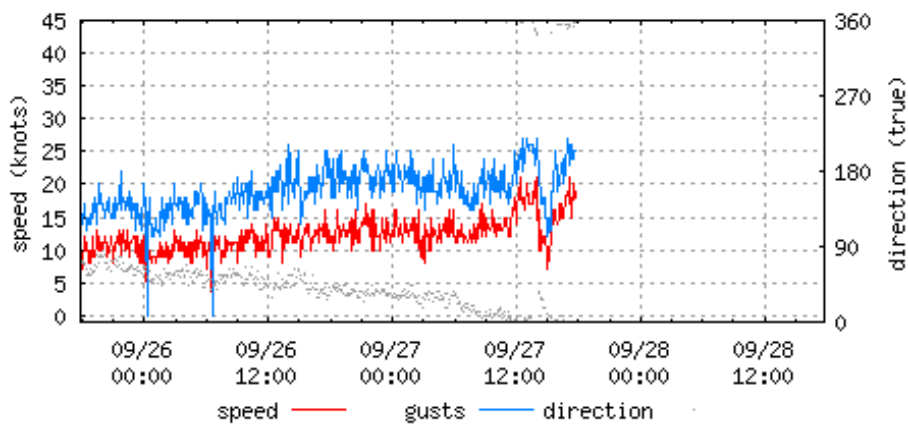
Observed: 0.45 ft. Predicted: -1.06 ft. Residual: 1.51 ft.

Historical Maximum Water Level: Mar 8 1962, 4.13 ft.

Next High Tide: 09/28/2017 03:00 (EDT), -0.60 ft.

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA

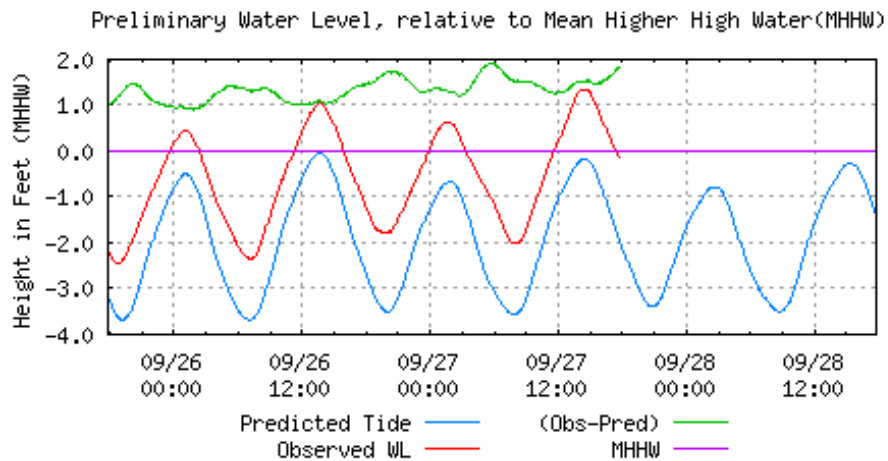
Wind Speed / Gusts / Direction



Last Observed Sample: 09/27/2017 17:42 (EDT)

Wind Speed: 18 knots Gusts: 25 knots Direction: 357° T

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA



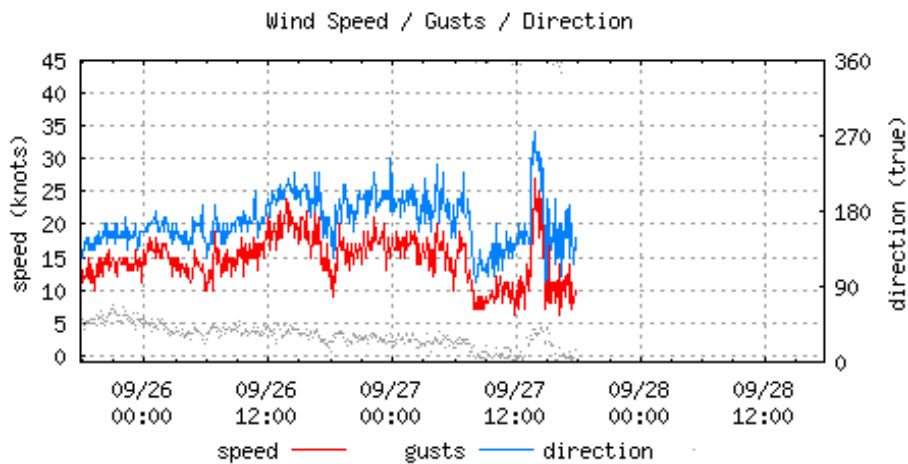
Last Observed Sample: 09/27/2017 17:48 (EDT). Data relative to MHHW

Observed: -0.18 ft. Predicted: -2.00 ft. Residual: 1.82 ft.

Historical Maximum Water Level: Feb 5 1998, 4.41 ft.

Next High Tide: 09/28/2017 02:39 (EDT), -0.78 ft.

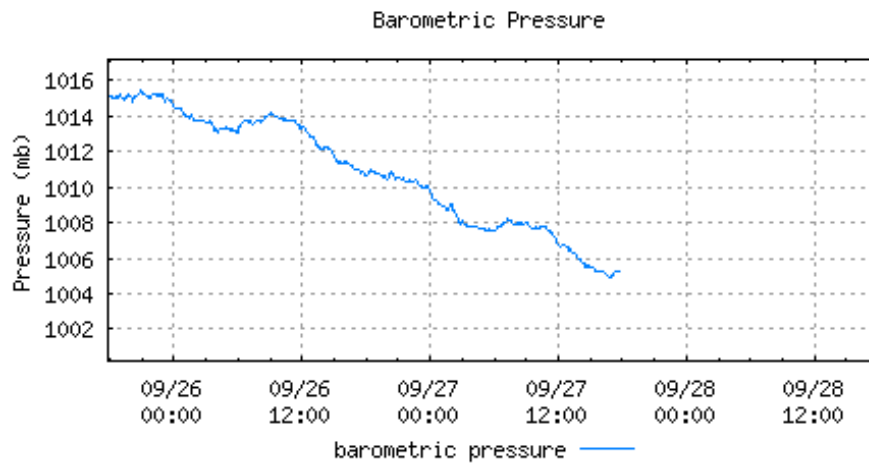
NOAA/NOS/CO-OPS 8631044 Wachapreague, VA



Last Observed Sample: 09/27/2017 17:48 (EDT)

Wind Speed: 7 knots Gusts: 17 knots Direction: 359° T

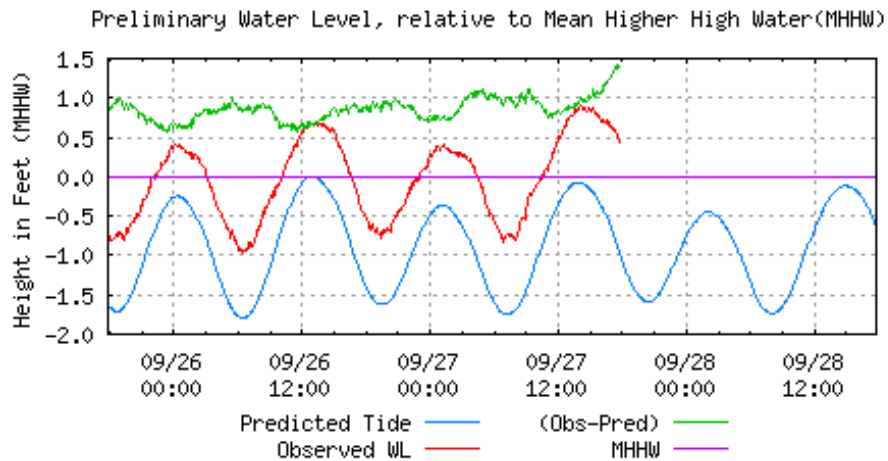
NOAA/NOS/CO-OPS 8631044 Wachapreague, VA



Last Observed Sample: 09/27/2017 17:48 (EDT)

Barometric Pressure: 1005.4 mb

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD



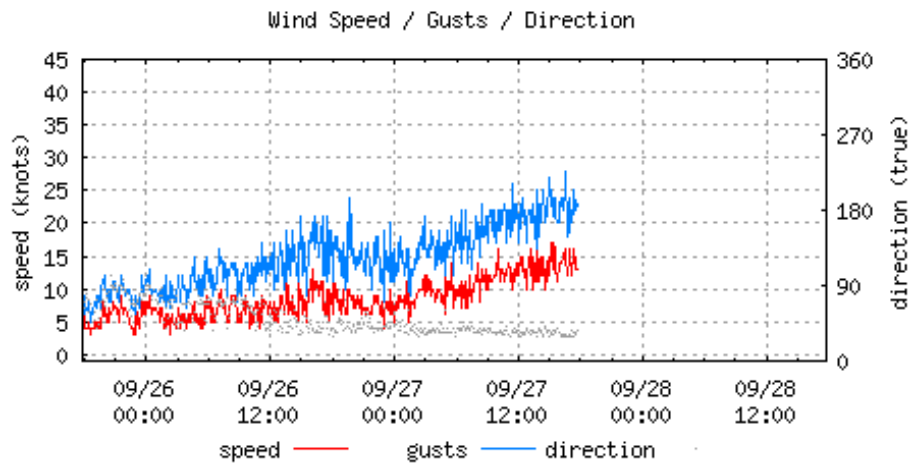
Last Observed Sample: 09/27/2017 17:48 (EDT). Data relative to MHHW

Observed: 0.45 ft. Predicted: -0.99 ft. Residual: 1.44 ft.

Historical Maximum Water Level: Feb 5 1998, 3.61 ft.

Next High Tide: 09/28/2017 02:03 (EDT), -0.45 ft.

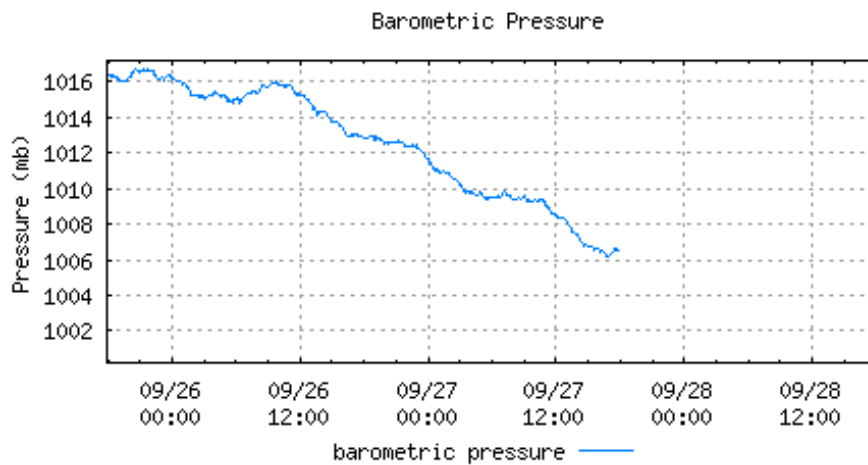
NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD



Last Observed Sample: 09/27/2017 17:48 (EDT)

Wind Speed: 13 knots Gusts: 23 knots Direction: 37° T

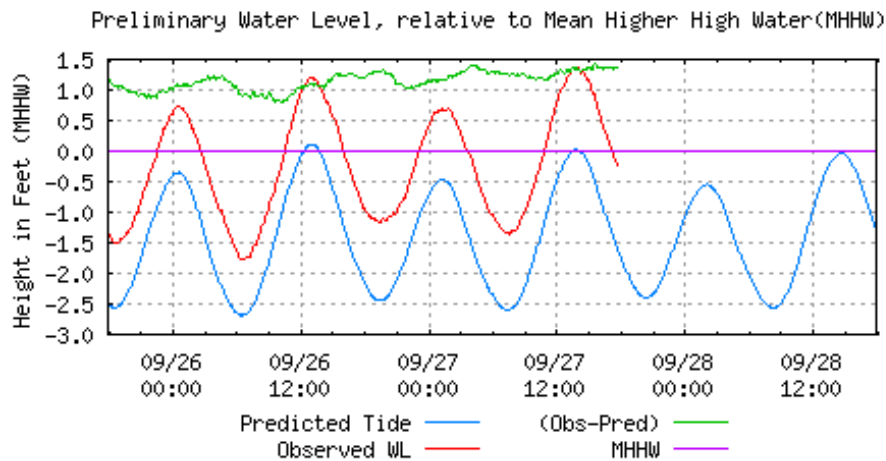
NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD



Last Observed Sample: 09/27/2017 17:48 (EDT)

Barometric Pressure: 1006.5 mb

NOAA/NOS/CO-OPS 8656483 Beaufort, NC



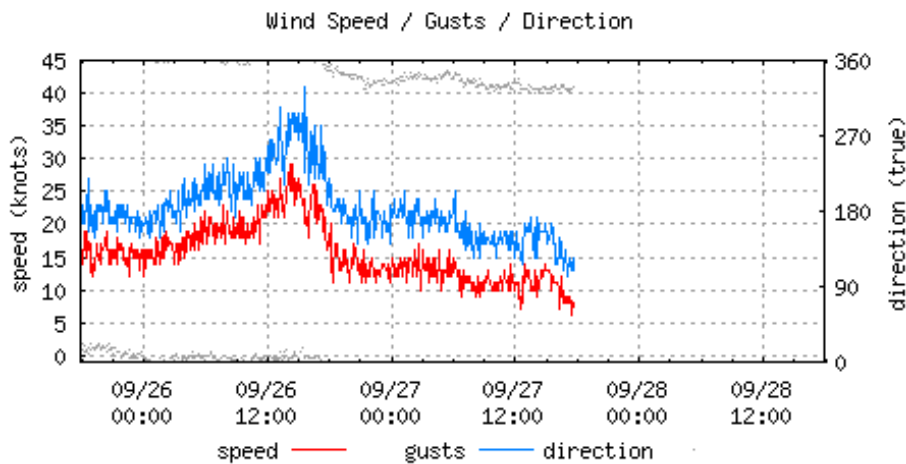
Last Observed Sample: 09/27/2017 17:42 (EDT). Data relative to MHHW

Observed: -0.25 ft. Predicted: -1.62 ft. Residual: 1.37 ft.

Historical Maximum Water Level: Sep 14 2005, 3.01 ft.

Next High Tide: 09/28/2017 02:02 (EDT), -0.55 ft.

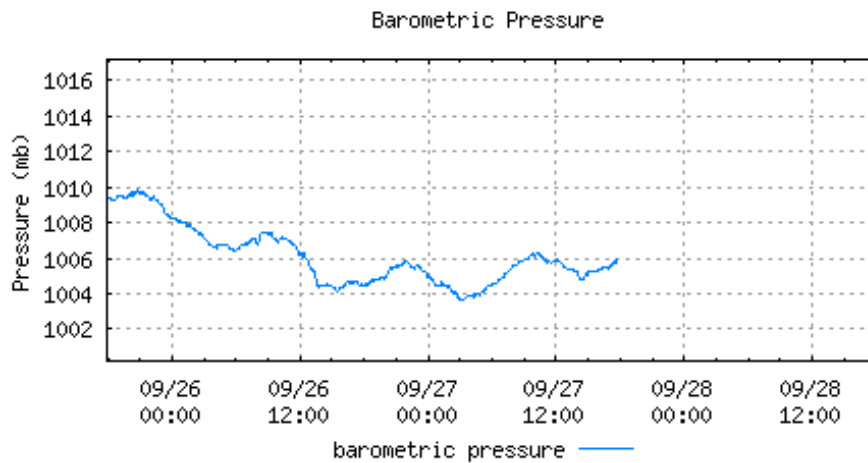
NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Wind Speed: 8 knots Gusts: 15 knots Direction: 328° T

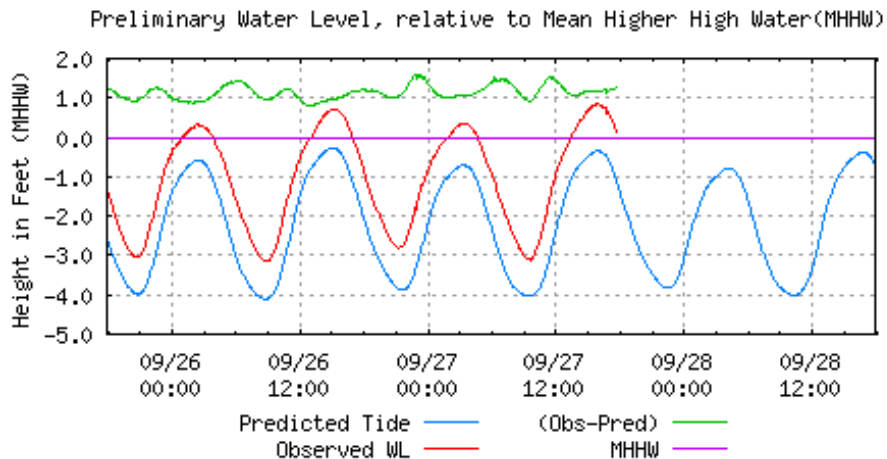
NOAA/NOS/CO-OPS 8656483 Beaufort, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Barometric Pressure: 1005.9 mb

NOAA/NOS/CO-OPS 8658120 Wilmington, NC



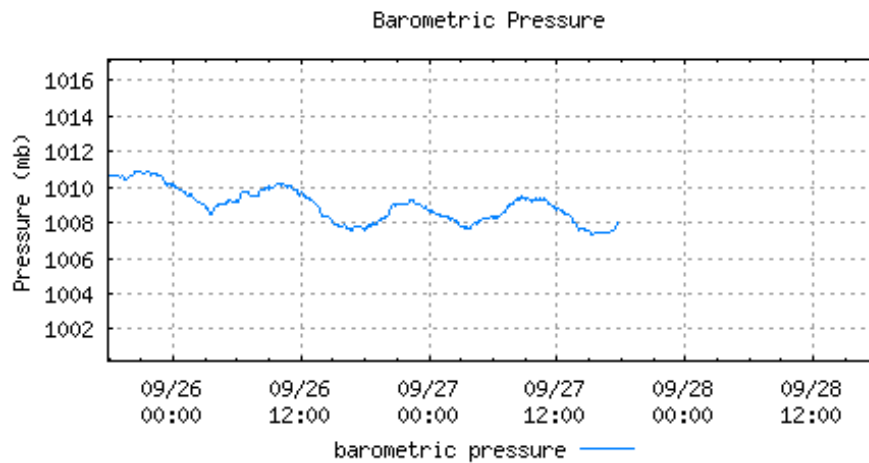
Last Observed Sample: 09/27/2017 17:42 (EDT). Data relative to MHHW

Observed: 0.11 ft. Predicted: -1.15 ft. Residual: 1.26 ft.

Historical Maximum Water Level: Oct 8 2016, 3.48 ft.

Next High Tide: 09/28/2017 04:11 (EDT), -0.78 ft.

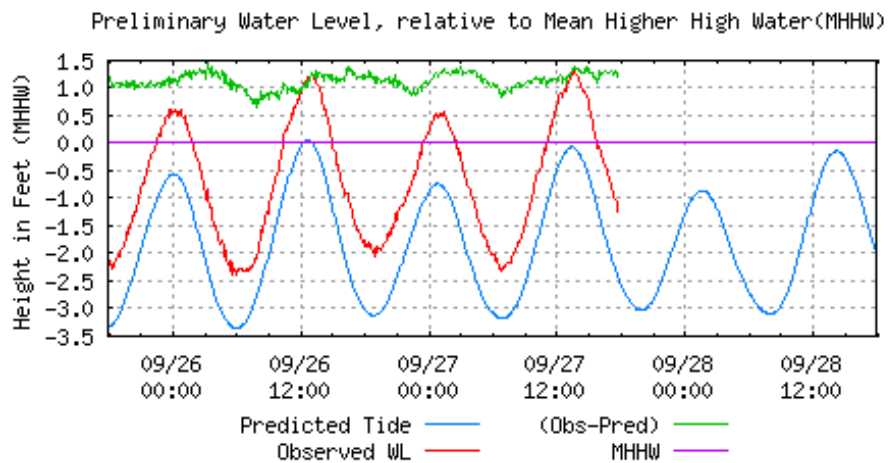
NOAA/NOS/CO-OPS 8658120 Wilmington, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Barometric Pressure: 1008.0 mb

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



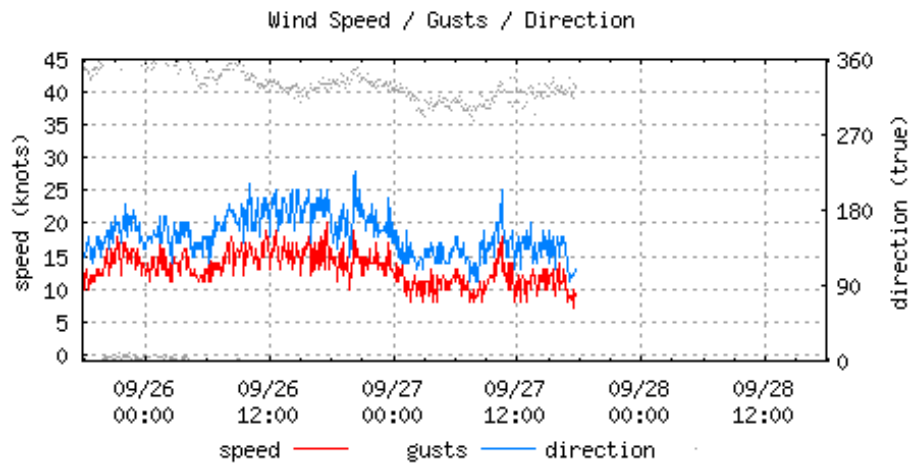
Last Observed Sample: 09/27/2017 17:42 (EDT). Data relative to MHHW

Observed: -1.24 ft. Predicted: -2.43 ft. Residual: 1.19 ft.

Historical Maximum Water Level: Oct 4 2015, 2.94 ft.

Next High Tide: 09/28/2017 01:37 (EDT), -0.85 ft.

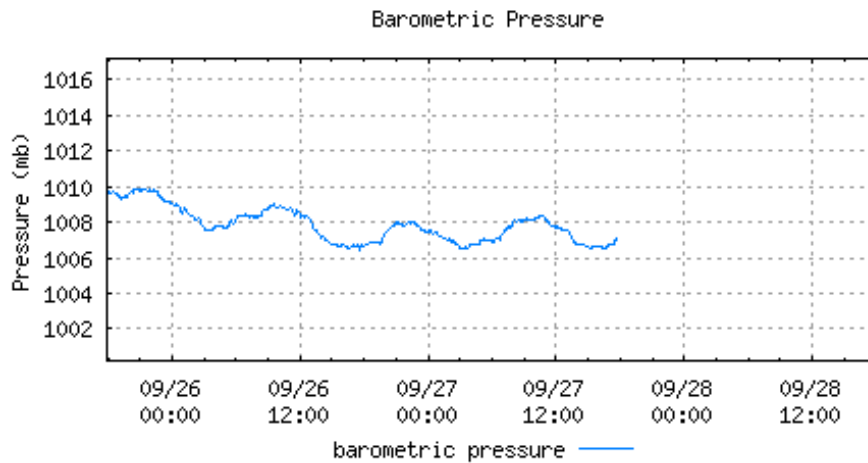
NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Wind Speed: 9 knots Gusts: 13 knots Direction: 326° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC



Last Observed Sample: 09/27/2017 17:42 (EDT)

Barometric Pressure: 1007.1 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8654467	USCG Station Hatteras, NC	09/27/2017 17:42 (EDT)	2.23 ft	-0.24 ft	2.47 ft	2.74 ft
8652587	Oregon Inlet Marina, NC	09/27/2017 17:42 (EDT)	0.78 ft	-0.53 ft	1.31 ft	0.83 ft
8651370	Duck, NC	09/27/2017 17:48 (EDT)	-0.28 ft	-2.13 ft	1.85 ft	1.74 ft
8638863	Chesapeake Bay Bridge Tunnel, VA	09/27/2017 17:42 (EDT)	0.60 ft	-1.22 ft	1.82 ft	1.62 ft
8638610	Sewells Point, VA	09/27/2017 17:48 (EDT)	0.94 ft	-0.85 ft	1.79 ft	1.68 ft
8632200	Kiptopeke, VA	09/27/2017 17:42 (EDT)	0.45 ft	-1.06 ft	1.51 ft	1.33 ft
8631044	Wachapreague, VA	09/27/2017 17:48 (EDT)	-0.18 ft	-2.00 ft	1.82 ft	1.35 ft
8570283	Ocean City Inlet, MD	09/27/2017 17:48 (EDT)	0.45 ft	-0.99 ft	1.44 ft	0.92 ft
8656483	Beaufort, NC	09/27/2017 17:42 (EDT)	-0.25 ft	-1.62 ft	1.37 ft	1.38 ft
8658120	Wilmington, NC	09/27/2017 17:42 (EDT)	0.11 ft	-1.15 ft	1.26 ft	0.84 ft
8658163	Wrightsville Beach, NC	09/27/2017 17:42 (EDT)	-1.24 ft	-2.43 ft	1.19 ft	1.30 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce